

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P23916Application No.  
10/614,834INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Kazutoshi YASUNAGA et al.Filing Date  
July 9, 2003Group  
2641

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AAA		5 4 4 4 8 1 6	08/22/95	ADOUL et al.			
AAA		5 7 0 1 3 9 2	12/23/97	ADOUL et al.			
AAA		6 0 5 8 3 5 9	05/02/00	HAGEN et al.			
AAA		6 0 2 9 1 2 5	02/22/00	HAGEN et al.			
AAA		6 3 0 1 5 5 6	10/09/01	HAGEN et al.			
AAA		6 5 6 4 1 8 3	05/13/03	HAGEN et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER /Angela Armstrong/

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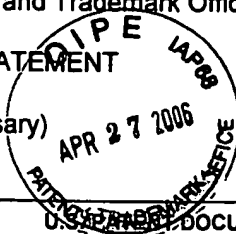
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~~U.S. SPANISH DOCUMENTS~~

[illegible]

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AAA	1	IKEDO et al., "Low Complexity Speech Coder for Personal Multimedia Communication," IEEE, Vol. CONF 4, pp. 808-812 (November 6, 1995), XP010160652.
AAA	2	KATAOKA et al., "An 8-kb/s Conjugate Structure CELP (CS-CELP) Speech Coder," IEEE Transactions on Speech and Audio Processing, Vol. 4, No. 6, pp. 401-411 (November 1996), XP000785317.

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES                NO
	9	- 1 6 0 5 9 6	06/20/97	JAPAN			

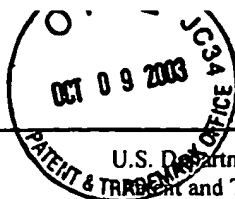
**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AAA	1	IKEDA et al., "Error-Protected TwinVQ Audio-Coding Method," IEICI, Vol. J80, No. 5, pp. 1016-1025 (1997), together with an English language translation of the same.

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AAA	4 8 6 8 8 6 7	09/1989	DAVIDSON et al.			
AAA	5 3 0 7 4 4 1	04/1994	TZENG			
AAA	5 9 6 3 8 9 6	10/1999	OZAWA			
AAA	5 8 2 6 2 2 6	10/1998	OZAWA			
AAA	5 1 9 5 1 3 7	03/1993	SWAMINATHAN			
AAA	6 1 2 2 6 0 8	09/2000	MCCREE			
AAA	5 6 9 9 4 7 7	12/16/97	MCCREE			
AAA	5 7 3 4 7 9 0	03/31/98	TAGUCHI			
AAA	6 2 6 6 6 3 2	07/24/01				
AAA	5 1 9 5 1 3 7	03/1993	SWAMINATHAN			
AAA	6 1 2 2 6 0 8	09/2000	MCCREE			
AAA	4 8 6 8 8 6 7	09/1989	DAVIDSON et al.			

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6 8 4 7 0 2	11/29/95	E.P.O.			
7 7 8 5 6 1	06/11/97	E.P.O.			
2 2 8 0 2 0 0	11/16/90	JAPAN			
2 2 8 2 8 0 0	11/20/90	JAPAN			
9 1 6 0 5 9 6	06/20/97	JAPAN			

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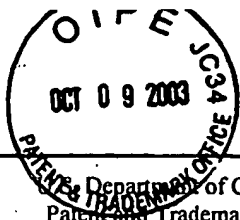
AAA	1	Sung Joo KIM et al., "A Complexity Reduction Method for VSELP Coding Using Overlapped Sparse Basis Vectors" proceedings of the International Conference on Signal Processing Applications and Technology, XX,XX, Vol. 2, pages 1578-1582, published October 18, 1994.
AAA	2	M.R. SCHROEDER et al., "Code Excited Linear Prediction (CELP): High Quality Speech At Very Low Bit Rates", Proc. ICASSP 1985, pages 937-940.
AAA	3	R. SALAMI et al., "8 K Bit/s ACLEP Coding of Speech With 10 MS Speech Frame: A Candidate For CCITT Standardization", ICASSP 1994, pages II-97-III100, 1994.
AAA	4	English Language Abstract of JP Appln. No. 2-280200.

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AAA	7 0 2 8 4 9 7	01/31/95	JAPAN			
AAA	5 1 0 8 0 9 8	04/30/93	JAPAN			
AAA	6 2 0 2 6 9 9	07/22/94	JAPAN			
AAA	9 0 3 4 4 9 8	02/07/97	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AAA	5	Y. LINDE, et al., "An Algorithm For Vector Quantizer Design", IEEE Transactions On Communications, Vol. Com-28, No. 1, pp. 84-95, January 1980.
AAA	6	I. GERSO, et al., "Vector Sum Excited Linear Prediction (VSELP) Speech Coding At 8 KBPS", pp. 461-464, IEEE 1990.
AAA	7	J. IKEDO, et al., "Low Complexity CELP Speech Coder Using Orthogonalized Search of Algebraic Code", pp. 225. (with a Partial English Translation).
AAA	8	English Language Abstract of JP Appln. No. 2-282800.
AAA	9	English Language Abstract of JP Appln. No. 9-160596.
AAA	10	English Language Abstract of JP Appln. No. 8-008753.
AAA	11	English Language Abstract of JP Appln. No. 5-108098.
AAA	12	English Language Abstract of JP Appln. No. 6-202699.
AAA	13	English Language Abstract of JP Appln. No. 9-034498.

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